TOSHIBA
Satellite® A20Series
Feature Model(s): — Part Numbers

Satellite A20-259
P4 2660/15.0"TFT/256MB/40GB/DVD-CDRW/Mdm/LAN/WiFi(802.11g)/WinXP Pro — PSA20U-09Z437

Satellite A20-2591
P4 2660/15.0"TFT/256MB/40GB/DVD-CDRW/Mdm/LAN/WiFi(802.11g)/WinXP Home — PSA20U-09Z433

Satellite A20 Small Business Series
P4 2660/15.0"TFT/256MB/40GB/DVD-CDRW/Mdm/LAN/WiFi(802.11g)/WinXP Pro/Office XP SB — PSA20U-09Z437W
P4 2660/15.0"TFT/256MB/40GB/DVD-CDRW/Mdm/LAN/WiFi(802.11g)/WinXP Pro/Office XP Pro — PSA20U-09Z437X

Product Highlights

Performance
- Intel® Pentium® 4 processor 2.66GHz
- 256MB of Main Memory
- 40GB* hard disk drive

Great Features
- 15.0" XGA TFT screen
- DVD-ROM/CDRW multi-function drive

Get On-Line
- Integrated V.92/56K modem
- Integrated 10/100 Ethernet LAN
- Integrated Wireless **(802.11g)** LAN

System Characteristics

CPU *(See CPU Performance Disclaimer)***
- Intel® Pentium® 4 processor 2.66GHz**
- Integrated co-processor

L2 Cache
- 512KB Level 2 Cache integrated on die
- 533MHz Processor System Bus Clock Speed

Memory
- 256MB (1 DIMM) DDR SDRAM **(Expandable to 1024MB)**
- Expansion memory: 128MB/256MB/512MB PC2100 DDR, SODIMM 2.5V
- Data/Address Bus Width; 64-bit/32-bit
- Ali M1672 + M1535 Chipset

Mass Storage/Optical Drive
- **Primary Hard Disk Drive**: 40GB* hard disk drive, Enhanced IDE (ATA-5), 4200rpm, 9.7mm height, 0.2lbs, Service Removable
- **DVD-ROM/CDRW Multi-function drive**: Max Speed: CD-R(24x), CD-RW(10x), CD-ROM(24x), DVD-ROM(8x); Compatibility: CD-ROM, CD-R(read/write), CD-RW(read/re-write), DVD-ROM, DVD-R (read), DVD-RW(read); Service removable
- Software Decoder: InterVideo® (WinDVD™)

Graphics/Video
- 15.0" XGA TFT**** active-matrix display; internal display supports up to 16M colors at 1024 x 768
- **Trident CyberBlade XP2** graphics processor; 32MB shared video memory
- External Color Support/Refresh rate: Non-Interlaced@16M Colors

640 x 480	60/75/85/100Hz
800 x 600	60/75/85/100Hz
1024 x 768	60/75/85/100Hz
1280 x 1024	60/75/85/100Hz
1600x 1200	60/75/85/100Hz
1920 x 1440	60/75Hz
2048 x 1536	60Hz

Input Devices
- **Keyboard:** Full sized 85 keys with 12 function keys, 2.7mm key stroke, 6mm height; Dedicated Windows® & Application keys support; HotKey function; **TouchPad** pointing device
- **CD Control Function:** Play/Pause, Stop, Previous, Next, Mode Control Switch (CD/DVD)

Expandability
- 2 Memory slots *(Both slots may be occupied)*
- PC Card slot supports 1 Type II (5mm)

Communications
- Integrated V.92/56K modem; Data and fax support

Due to FCC limitations, speeds of 53kbps are the maximum permissible transmission rates during Download. Actual data transmission speeds will va depending on line conditions.
- Integrated 10/100 Ethernet LAN
- Integrated Wireless **(802.11g)** LAN (Atheros)

Ports
- RGB (monitor) port
- Parallel port
- 3 Universal Serial Bus ports (2.0)
- TV-Out (S-Video)
- RJ-45 LAN port
- RJ-11 modem port
- Secure Digital® (SD) slot

Physical Description
- Dimensions (LxWxH): 13.4" x 11.6" x 1.9"
- Weight: 7.9lbs
- LED Indicators: HDD, CD/DVD, DC-IN, Caps Lock, Arrow, Numeric, Main Battery Charging Status, System Sleep / Suspend status, Wireless Communication switch (left side), SD Card (right side)

Sound
- Analog Devices AD1981B Codec Chip, Software sound; 16-bit stere Stereo Speakers
- Direct 3D Sound (supported by sound driver); DirectSound and DirectMusic (supported by sound driver); Full Duplex and MIDI (play back) support, 32 voices
- Sound Volume (by dial)
- **Ports:** External Microphone port, headphone port, Line-in port

Power Supply
- **AC Adapter:** 120W AC Adapter, 100-240V / 50-60Hz frequency (Universal) input voltage, 15V x 8A Output.
  Dimensions (LxWxH): 5.7" x 2.1" x 1.7"
  Weight: 1.4lbs
- **Battery Pack:** 12-cell, rechargeable, removable Lithium Ion (Graphite) battery, 10.8V x 8400mAh
  Dimension (LxWxH): 8.1" x 3.6" x 0.9"
  Weight: 1.4lbs
- Battery Saver (in Windows): Stand by, HDD Auto Off, Display Auto Off, Hibernation
- Battery life 3h18m***; Recharge time(Off/On): Approx 3.5H/3.5~12.5H+

Battery life may vary depending on applications, power management settings and features utilized. Recharge time varies depending on usage. Battery ma not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack or see information on accessories shipping with your computer, visit the Toshiba website at www.accessories.toshiba.com

Security
- Slot for Kensington Cable lock, HDD and memory (by screw only), User Power-on password, Setup Security (by help of password utility), HDD Password (by TSETUP), Screen Blank (by Hotkey), Keyboard lock (by Hotkey), Screen Saver by software

Bios
- TSETUP, ACPI, PnP, VESA, DPMS, DDC, SM BIOS, PCI BIOS support

Operating System
- Microsoft® Windows XP Pro pre-installed **(A20-S259)**
- Microsoft® Windows XP Home pre-installed **(A20-S2591)**
- Windows 2000 component drivers on the web

Additional Software
- **Microsoft® Office XP Professional** (See Product/Part Numbers

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below)
- **Microsoft® Office XP Small Business** (See Product/Part Numbers below)
- Toshiba Notebook Maximizer
- Intuit® Quicken® New User Edition 2003
- Norton® AntiVirus™ 2003- w/3 Month Subscription
- AOL® (3.-month offer)

AOL OFFER DETAILS: Availability may be limited, especially during peak times. TO AVOID BEING CHARGED A MONTHLY MEMBERSHIP FEE, SIMPLY CANCEL BEFORE THE THREE-MONTH PROMOTIONAL PERIOD ENDS. Premium services carry surcharges and communication surcharges may apply, including AK, even during promotional period. Members may incu telephone charges on their phone bill, depending on their location and calling plan, even during promotional period. Available to new AOL members in the United States, age 18 or older; a major credit card or checking account is required.

- Adobe® Acrobat™ Reader
- AT&T® Worldwide® Service – 1 Month Free

Telephone access and other charges and other terms and conditions may apply. Offer available to new customers only. Offer expires 4/30/04.

- Microsoft Internet Explorer
- Toshiba ConfigFree™ Software
- Toshiba Custom Utilities
- ***Toshiba Great Software Offer*****:** Receive your choice of two software titles. The software selection includes titles from the follow categories; productivity, education/reference, creativity and entertainment

Warranty

- 1 year parts, labor and battery

Environmental Specifications

- **Temperature:** Operating: 5° to 35°C (41° to 95°F); Non-operating: -20° to 65°C (-4° to 149°F)
- **Thermal gradient:** Operating: 15°C per hour maximum; Non-operating: 20°C per hour maximum
- **Relative Humidity:** Operating: 20% to 80%; Non-operating: 10% to 95%
- **Altitude (relative to sea level):** Operating: -60 to 3000 meters; No operating: -60 to 10,000 meters
- **Shock:** Operating: 10G; Non-operating: 60G
- **Vibration:** Operating: 0.5G; Non-operating: 1.0G

SelectServ® Warranty Programs

SWP-PEQQ3V	Warranty Extension to 3 Years
SWP-PEGQ3V	3 Year SystemGuard
SWP-PEQX3V	3 Year Depot Express
SWP-PEGX3V	3 Year SystemGuard + Depot Express
SWP-PEQN3V	3 Year Business On-Site Repair; Next Day Business Day Response
SWP-PEGN3V	3 Year SystemGuard + Business On Site Repair, Next Business Day Response

Selected Accessories

Toshiba Accessories

PA3237U-1ACA	Global AC Adapter (120W)
PA3287U-1BRS	Primary Battery Pack (12 Cell)
PA1326U-1NCS	Toshiba Blue Backpack
PA1328U-1NCS	Toshiba Executive Leather
PA1333U-1NCS	Toshiba Executive Nylon
PA3109U-1FDD	USB Floppy Disk Drive
PA3171U-1BTM	Toshiba Bluetooth SD Card II
PA3212U-3MPCR	Wireless LAN Card Kit (Agere 802.11b) - (Dealer Install)
PA3273U-2MPC	Wireless LAN Card Kit (Atheros 802.11a/b) - (Dealer Install)

Toshiba SD Memory

SD-M3203B3	32MB
SD-M6403B3	64MB
SD-M1283B3	128MB
SD-M2564B3	256MB

Kingston Memory

KTT3614/128	Kingston 128MB Memory
KTT3614/256	Kingston 256MB Memory
KTT3614/512	Kingston 512MB Memory

Targus Cases

NWCC52	Targus Global Traveler

Other Accessories

*Go to www.accessories.toshiba.com for additional, available accessories

Product/Part Numbers

Satellite A20-S259	**(Win XP Pro pre-installed)**	PSA20U-09Z437
Satellite A20-S2591	**(Win XP Home pre-installed)**	PSA20U-09Z433
Satellite A20 Small Business Series (Office XP Professional)		PSA20U-09Z437X
Satellite A20 Small Business Series (Office XP Small Business)		PSA20U-09Z437W

*****GB = 1 Billion bytes

***** Central Processing Unit ("CPU") Performance Disclaimer:***

CPU performance in your computer product may vary from specifications under the following conditions:

- use of certain external peripheral products
- use of battery power instead of AC power
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 35°C (41°F to 95° F) or >25°C (77°F) at high altitude (all temperature references are approximate).

CPU performance may also vary from specifications due to design configuration.

Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Service and Support for more information.

****** TFT Display Disclaimer:** Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-filmtransistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology.

Return Policy

TAIS does not accept the return of component parts, or bundled software, which have been removed from the PC system. Pro-rata refunds on individual PC components or bundled software, including the operating system, will not be granted. If you wish to return a complete PC system, contact the TAIS dealer where you purchased the product, and comply with the dealer's standard return policies and procedures.

Subject to Change

While Toshiba has made very effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component/options availability are all subject to change without notice. For the most up-to-date product information about your computer, or to stay current with the various computer software or hardware options, visit Toshiba's Web site at pcsupport.toshiba.com.

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TOSHIBA

*** Business Winstone® 2002 BatteryMark™ Version 1.0

These models achieved the battery life times shown using Ziff Davis Media Inc.'s Business Winstone® 2002 BatteryMark™ Version 1.0. These tests were performed without independent verification by the VeriTest testing division of Lionbridge Technologies, Inc. ("VeriTest"). Neither Ziff Davis Media Inc. nor VeriTest makes any representations or warranties as to the results of the tests. Winstone® is a registered trademark and BatteryMark™ is a trademark of Ziff Davis Publishing Holdings Inc. in the U.S. and other countries. Copyright 2002 Ziff Davis Media Inc. All Rights Reserved. All products used in the tests were shipping versions available to the general public. The battery life results were achieved running the Business Winstone® 2002 BatteryMark™ Version 1.0 on the following system parameters. System parameters were set according to Ziff Davis Media Inc.'s recommendations.

Battery Life	Catalog Spec (1st)	***3h18m***
	(1st+2nd)	***N/A***
	Number of Conditioning Phase	***0***
	Life Test Run	***3***

A	CPU Name		***Intel Pentium 4 Processor 2.66GHz***
	Processor info	speed	***2.66GHz***
		number of processors	***1***
	amount of RAM		***256MBx2***
	Amount of secondary RAM cache		***512KB (L2 RAM CACHE)***

B	Battery	type(1st)	***Li-Ion***
			10.8V X 8400mAh
		model number(1st)	***PA3287U-SBRS***
		type(2nd)	***N/A***
			N/A
		model number(2nd)	***N/A***
		number of batteries	***1st=one,2nd=N/A***

C	Graphics	***Trident CyberALADDiN-P4***
	amount and type of RAM	***Internal 32MB***
	graphics driver name and version	***v.6.4612.22ICD_SE_NP***
	graphics resolution and color depth, refresh rate	***15.0" 1024x768***

D	hard disk capacity	***40GB***
	hard disk file system & transfer mode	***Enhanced IDE (ATA-5)***
	hard disk controller model	***ALi M1535+***
	size of hardware cache if any	***N/A***

E	operating system version, service pack	***Windows XP Home Edition Version 2000 Service pack 1***
	other special conditions	***N/A***

TOSHIBA

Satellite® A25 Series

Feature Model(s):

Part Numbers

Satellite A25-S279
P4 2800/15.0"TFT/512MB/60GB/DVD-CDRW/Mdm/LAN/WiFi(802.11g)/WinXP Home PSA20U-0CH43V

Satellite A25-S2791
P4 2800/15.0"TFT/512MB/60GB/DVD-CDRW/Mdm/LAN/WiFi(802.11g)/WinXP Pro PSA20U-0CH436

Product Highlights

Performance

- Intel® Pentium® 4 processor 2.80GHz
- 512MB of Main Memory
- 60GB* hard disk drive

Great Features

- 15.0" XGA TFT screen
- DVD-ROM/CDRW multi-function drive

Get On-Line

- Integrated V.92/56K modem
- Integrated 10/100 Ethernet LAN
- Integrated Wireless **(802.11g)** LAN

System Characteristics

CPU *(See CPU Performance Disclaimer)***

- Intel® Pentium® 4 processor 2.80GHz**
- Integrated co-processor

L2 Cache

- 512KB Level 2 Cache integrated on die
- 533MHz Processor System Bus Clock Speed

Memory

- 512MB (2 DIMM) DDR SDRAM **(Expandable to 1024MB)** *(Both slots may be occupied)*
- Expansion memory: 128MB/256MB/512MB PC2100 DDR, SODIMM, 2.5V
- Data/Address Bus Width; 64-bit/32-bit
- Ali M1672 + M1535 Chipset

Mass Storage/Optical Drive

- **Primary Hard Disk Drive**: 60GB* hard disk drive, Enhanced IDE (ATA-5), 4200rpm, 9.7mm height, 0.2lbs, Service Removable
- **DVD-ROM/CDRW Multi-function drive**: Max Speed: CD-R(24x), CD-RW(10x), CD-ROM(24x), DVD-ROM(8x); Compatibility: CD-ROM, CD-R(read/write), CD-RW(read/re-write), DVD-ROM, DVD-R (read), DVD-RW(read); Service removable
- Software Decoder: InterVideo® (WinDVD™)

Graphics/Video

- 15.0" XGA TFT**** active-matrix display; internal display supports up to 16M colors at 1024 x 768
- **Trident CyberBlade XP2** graphics processor; 32MB shared video memory
- External Color Support/Refresh rate: Non-Interlaced@16M Colors

640 x 480	60/75/85/100Hz
800 x 600	60/75/85/100Hz
1024 x 768	60/75/85/100Hz
1280 x 1024	60/75/85/100Hz
1600x 1200	60/75/85/100Hz
1920 x 1440	60/75Hz
2048 x 1536	60Hz

Input Devices

- **Keyboard:** Full sized 85 keys with 12 function keys, 2.7mm key stroke, 6mm height; Dedicated Windows® & Application keys support; HotKey function; **TouchPad** pointing device
- **CD Control Function:** Play/Pause, Stop, Previous, Next, Mode Control Switch (CD/DVD)

Expandability

- 2 Memory slots *(Both slots may be occupied)*
- PC Card slot supports 1 Type II (5mm)

Communications

- Integrated V.92/56K modem; Data and fax support

Due to FCC limitations, speeds of 53kbps are the maximum permissible transmission rates during Download. Actual data transmission speeds will vary depending on line conditions.

- Integrated 10/100 Ethernet LAN
- Integrated Wireless **(802.11g)** LAN (Atheros)

Ports

- RGB (monitor) port
- Parallel port
- 3 Universal Serial Bus ports (2.0)
- TV-Out (S-Video)
- RJ-45 LAN port
- RJ-11 modem port
- Secure Digital® (SD) slot

Physical Description

- Dimensions (LxWxH): 13.4" x 11.6" x 1.9"
- Weight: 7.9lbs
- LED Indicators: HDD, CD/DVD, DC-IN, Caps Lock, Arrow, Numeric, Main Battery Charging Status, System Sleep / Suspend status, Wireless Communication switch (left side), SD Card (right side)

Sound

- Analog Devices AD1981B Codec Chip, Software sound; 16-bit stereo; Stereo Speakers
- Direct 3D Sound (supported by sound driver); DirectSound and DirectMusic (supported by sound driver); Full Duplex and MIDI (play back) support, 32 voices
- Sound Volume (by dial)
- **Ports:** External Microphone port, headphone port, Line-in port

Power Supply

- **AC Adapter:** 120W AC Adapter, 100-240V / 50-60Hz frequency (Universal) input voltage, 15V x 8A Output.
  Dimensions (LxWxH): 5.7" x 2.1" x 1.7"
  Weight: 1.4lbs
- **Battery Pack:** 12-cell, rechargeable, removable Lithium Ion (Graphite) battery, 10.8V x 8400mAh
  Dimension (LxWxH): 8.1" x 3.6" x 0.9"
  Weight: 1.4lbs
- Battery Saver (in Windows): Stand by, HDD Auto Off, Display Auto Off, Hibernation
- Battery life 2h41m***;
- Recharge time(Off/On): Approx 3.5H/3.5~12.5H+

Battery life may vary depending on applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack or see information on accessories shipping with your computer, visit the Toshiba website at www.accessories.toshiba.com

Security

- Slot for Kensington Cable lock, HDD and memory (by screw only), User Power-on password, Setup Security (by help of password utility), HDD Password (by TSETUP), Screen Blank (by Hotkey), Keyboard lock (by Hotkey), Screen Saver by software

Bios

- TSETUP, ACPI, PnP, VESA, DPMS, DDC, SM BIOS, PCI BIOS support

Operating System

- **Microsoft® Windows XP Home** pre-installed **(A25-S279)**
- **Microsoft® Windows XP Pro** pre-installed **(A25-S2791)**
- Windows 2000 component drivers on the web

Additional Software

- **Microsoft® Works**
- Toshiba Notebook Maximizer
- Intuit® Quicken® New User Edition 2003
- Norton® AntiVirus™ 2003- w/3 Month Subscription
- AOL® (3.-month offer)

AOL OFFER DETAILS: Availability may be limited, especially during peak

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times. TO AVOID BEING CHARGED A MONTHLY MEMBERSHIP FEE, SIMPLY CANCEL BEFORE THE THREE-MONTH PROMOTIONAL PERIOD ENDS. Premium services carry surcharges and communication surcharges may apply, including AK, even during promotional period. Members may incur telephone charges on their phone bill, depending on their location and calling plan, even during promotional period. Available to new AOL members in the United States, age 18 or older; a major credit card or checking account is required.

- Adobe® Acrobat™ Reader
- AT&T® Worldwide® Service – 1 Month Free

Telephone access and other charges and other terms and conditions may apply. Offer available to new customers only. Offer expires 4/30/04.

- Microsoft Internet Explorer
- Toshiba ConfigFree™ Software
- Toshiba Custom Utilities
- ***Toshiba Great Software Offer*:** Receive your choice of two software titles. The software selection includes titles from the follow categories; productivity, education/reference, creativity and entertainment

Warranty

- 1 year parts, labor and battery

Environmental Specifications

- **Temperature:** Operating: 5° to 35°C (41° to 95°F); Non-operating: -20° to 65°C (-4° to 149°F)
- **Thermal gradient:** Operating: 15°C per hour maximum; Non-operating: 20°C per hour maximum
- **Relative Humidity:** Operating: 20% to 80%; Non-operating: 10% to 95%
- **Altitude (relative to sea level):** Operating: -60 to 3000 meters; Non-operating: -60 to 10,000 meters
- **Shock:** Operating: 10G; Non-operating: 60G
- **Vibration:** Operating: 0.5G; Non-operating: 1.0G

SelectServ® Warranty Programs

SWP-PEQQ3V	Warranty Extension to 3 Years
SWP-PEGQ3V	3 Year SystemGuard
SWP-PEQX3V	3 Year Depot Express
SWP-PEGX3V	3 Year SystemGuard + Depot Express
SWP-PEQN3V	3 Year Business On-Site Repair; Next Day Business Day Response
SWP-PEGN3V	3 Year SystemGuard + Business On Site Repair, Next Business Day Response

Selected Accessories

Toshiba Accessories

PA3237U-1ACA	Global AC Adapter (120W)
PA3287U-1BRS	Primary Battery Pack (12 Cell)
PA1326U-1NCS	Toshiba Blue Backpack
PA1328U-1NCS	Toshiba Executive Leather
PA1333U-1NCS	Toshiba Executive Nylon
PA3109U-1FDD	USB Floppy Disk Drive
PA3171U-1BTM	Toshiba Bluetooth SD Card II
PA3212U-3MPCR	Wireless LAN Card Kit (Agere 802.11b) - (Dealer Install)
PA3273U-2MPC	Wireless LAN Card Kit (Atheros 802.11a/b) - (Dealer Install)

Toshiba SD Memory

SD-M3203B3	32MB
SD-M6403B3	64MB
SD-M1283B3	128MB
SD-M2564B3	256MB

Kingston Memory

KTT3614/128	Kingston 128MB Memory
KTT3614/256	Kingston 256MB Memory
KTT3614/512	Kingston 512MB Memory

Targus Cases

NWCC52	Targus Global Traveler

Other Accessories

*Go to www.accessories.toshiba.com for additional, available accessories

Product/Part Numbers

Satellite A25-S279	**(Win XP Home pre-installed)**	PSA20U-0CH43V
Satellite A25-S2791	**(Win XP Pro pre-installed)**	PSA20U-0CH436

***GB = 1 Billion bytes**

***** Central Processing Unit ("CPU") Performance Disclaimer:***

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- use of certain external peripheral products
- use of battery power instead of AC power
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 35°C (41°F to 95° F) or >25°C (77°F) at high altitude (all temperature references are approximate).

CPU performance may also vary from specifications due to design configuration.

Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Service and Support for more information.

**** **TFT Display Disclaimer:** Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-filmtransistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology.

Return Policy

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Subject to Change

While Toshiba has made very effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component/options availability are all subject to change without notice. For the most up-to-date product information about your computer, or to stay current with the various computer software or hardware options, visit Toshiba's Web site at pcsupport.toshiba.com.

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*** Business Winstone® 2002 BatteryMark™ Version 1.0

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CPU Name		***Intel Pentium 4 Processor***
Processor info	speed	***2.80GHz***
	number of processors	***1***
amount of RAM		***256MB***
Amount of secondary RAM cache		***512KB (L2 RAM CACHE)***

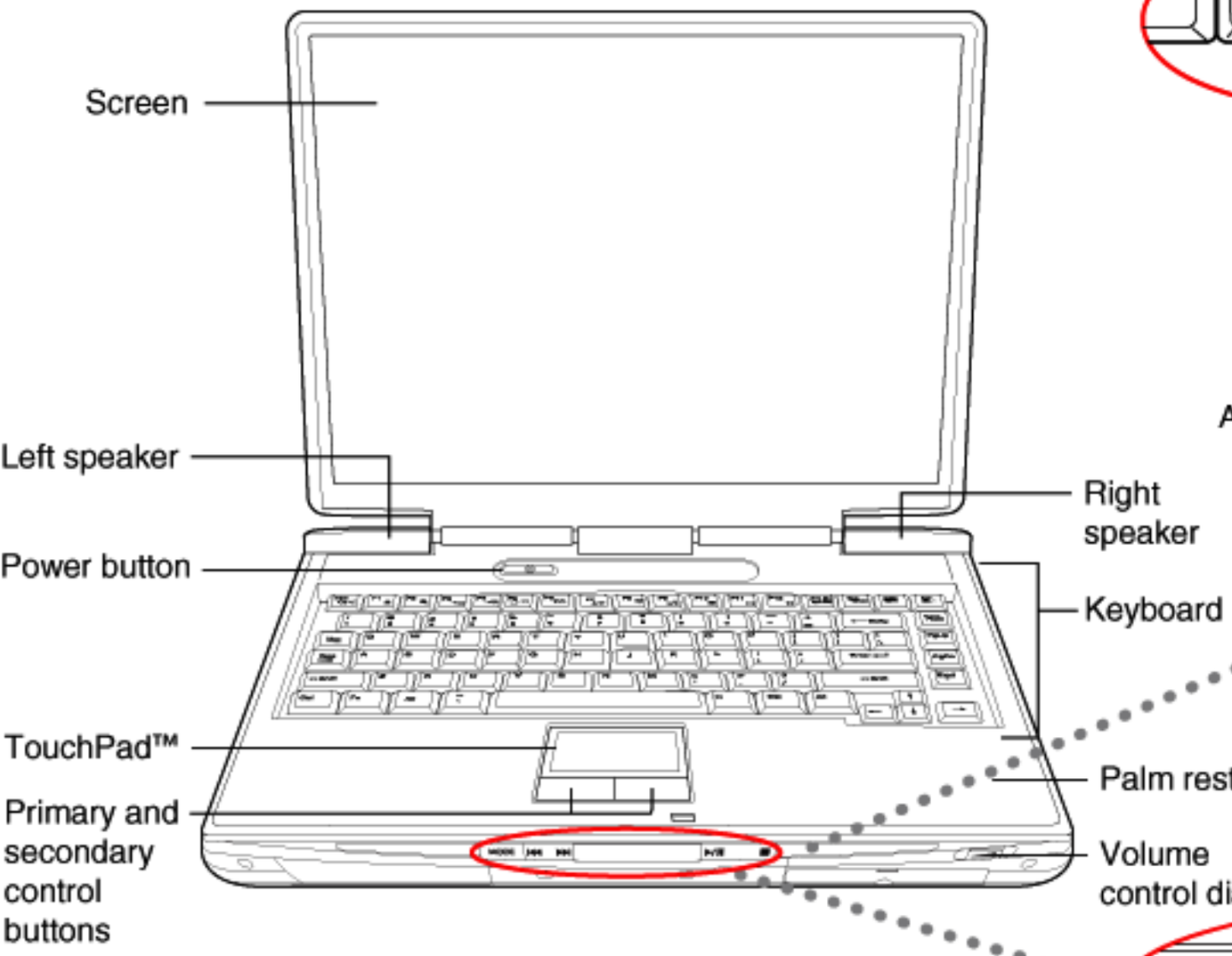
Battery	type(1st)	***Li-Ion***
		10.8V X 8400mAh
	model number(1st)	***PA3287U-SBRS***
	type(2nd)	***N/A***
		N/A
	model number(2nd)	***N/A***
	number of batteries	***1st=one,2nd=N/A***

Graphics	***Trident CyberALADDiN-P4***
amount and type of RAM	***Internal 32MB***
graphics driver name and version	***v.6.4612.22ICD_SE_NP***
graphics resolution and color depth, refresh rate	***15.0" 1024x768***

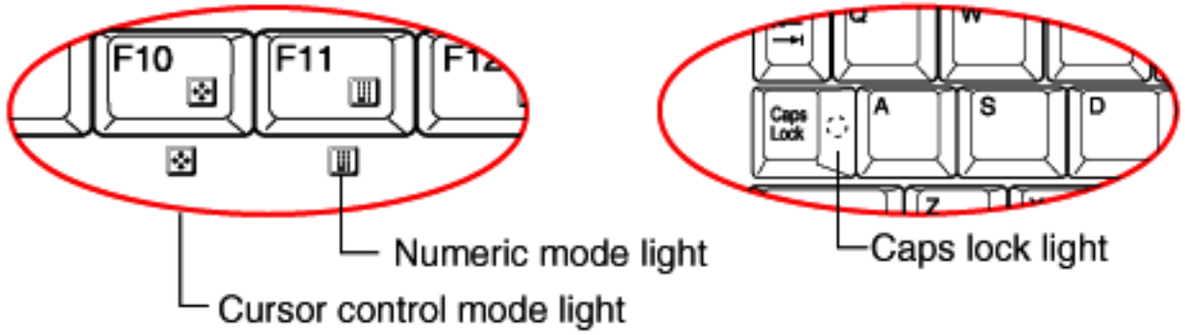
hard disk capacity	***40GB***
hard disk file system & transfer mode	***Enhanced IDE (ATA-5)***
hard disk controller model	***ALi M1535+***
size of hardware cache if any	***N/A***

operating system version, service pack	***Windows XP Home Edition Version 2000 Service pack 1***
other special conditions	***N/A***

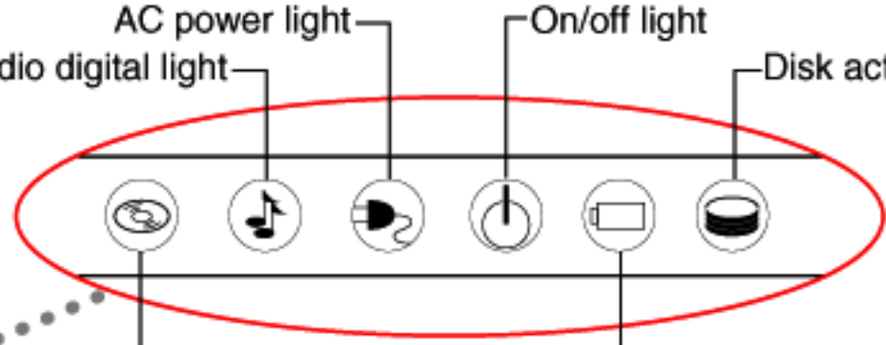
Front with display open



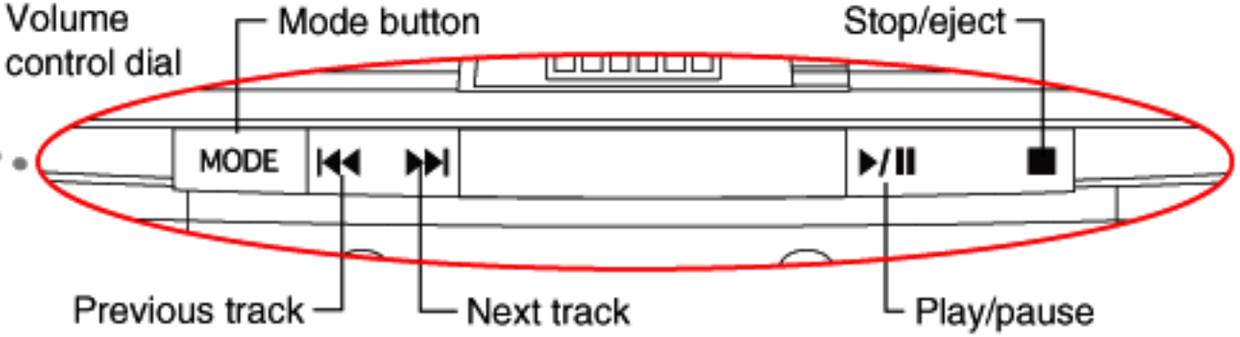
Keyboard indicator lights



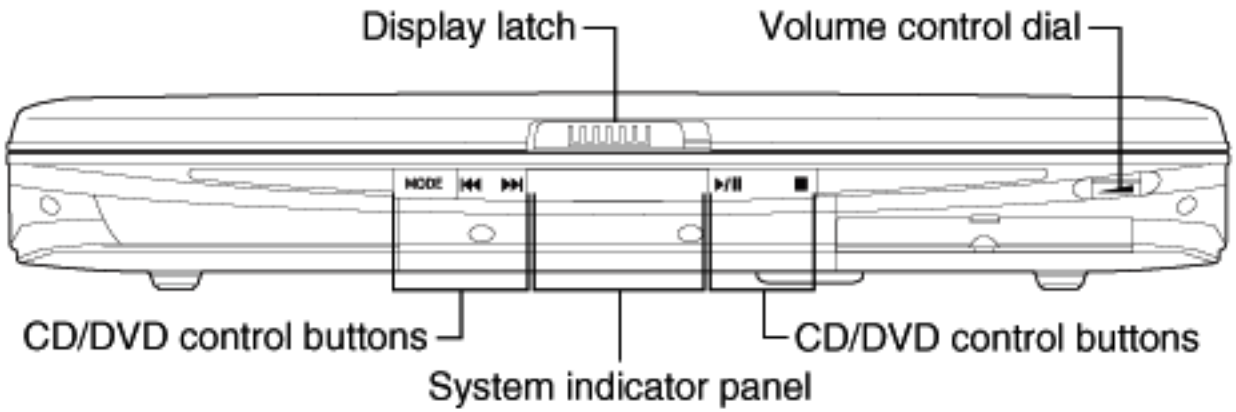
System indicator panel



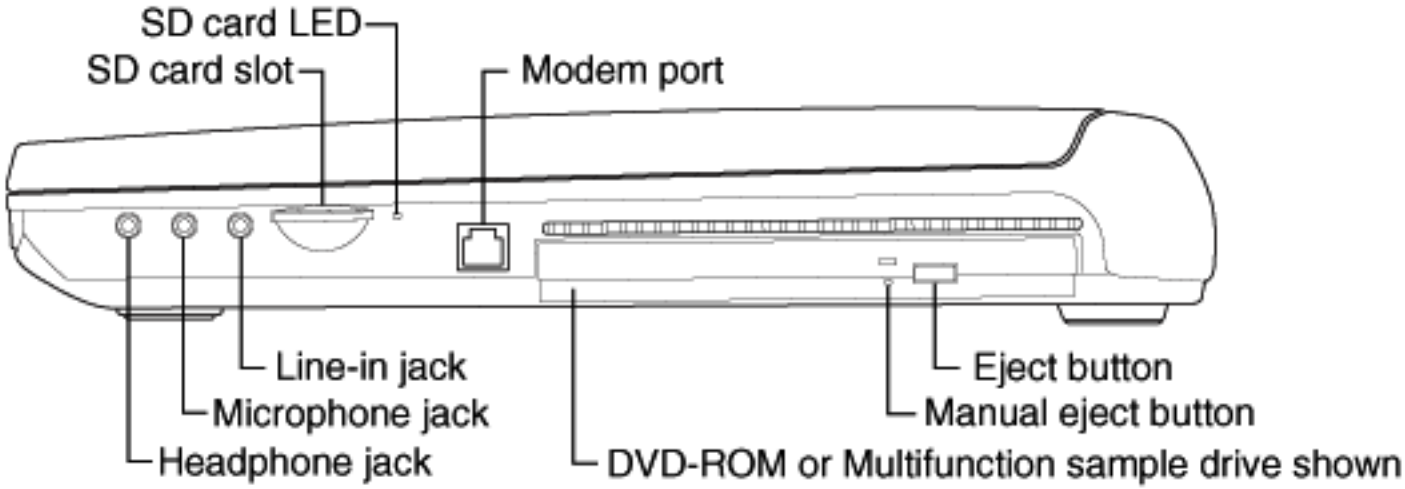
CD/DVD control buttons



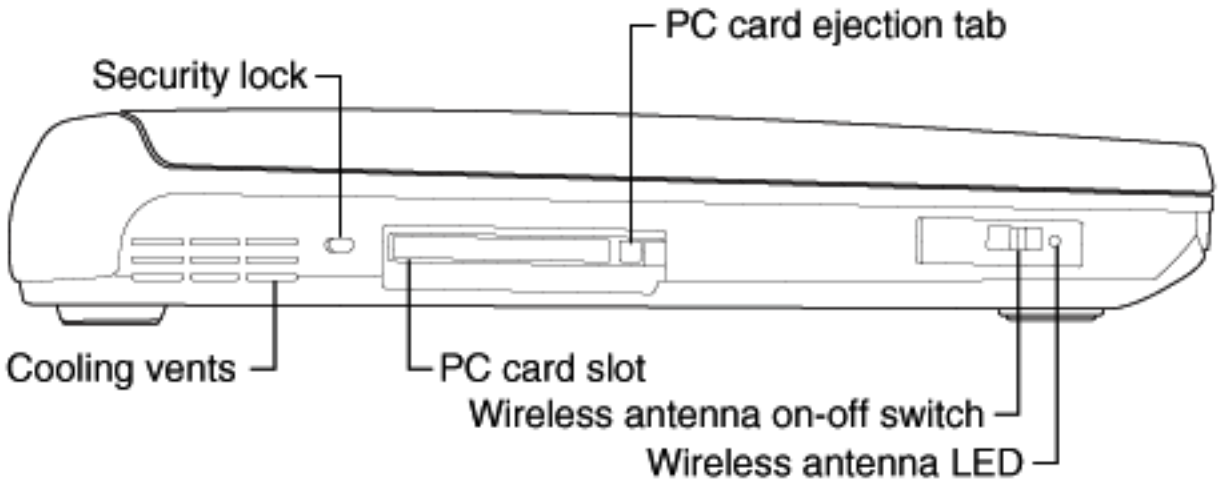
Front with display closed



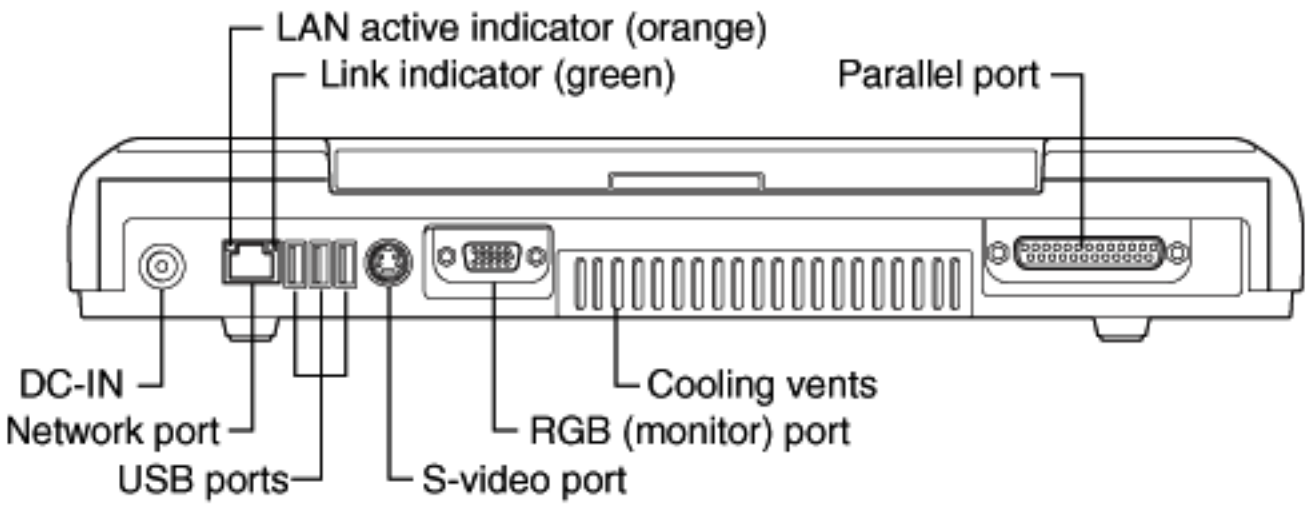
Right side


SD card LED
SD card slot
Modem port
Line-in jack
Microphone jack
Headphone jack
Eject button
Manual eject button
DVD-ROM or Multifunction sample drive shown

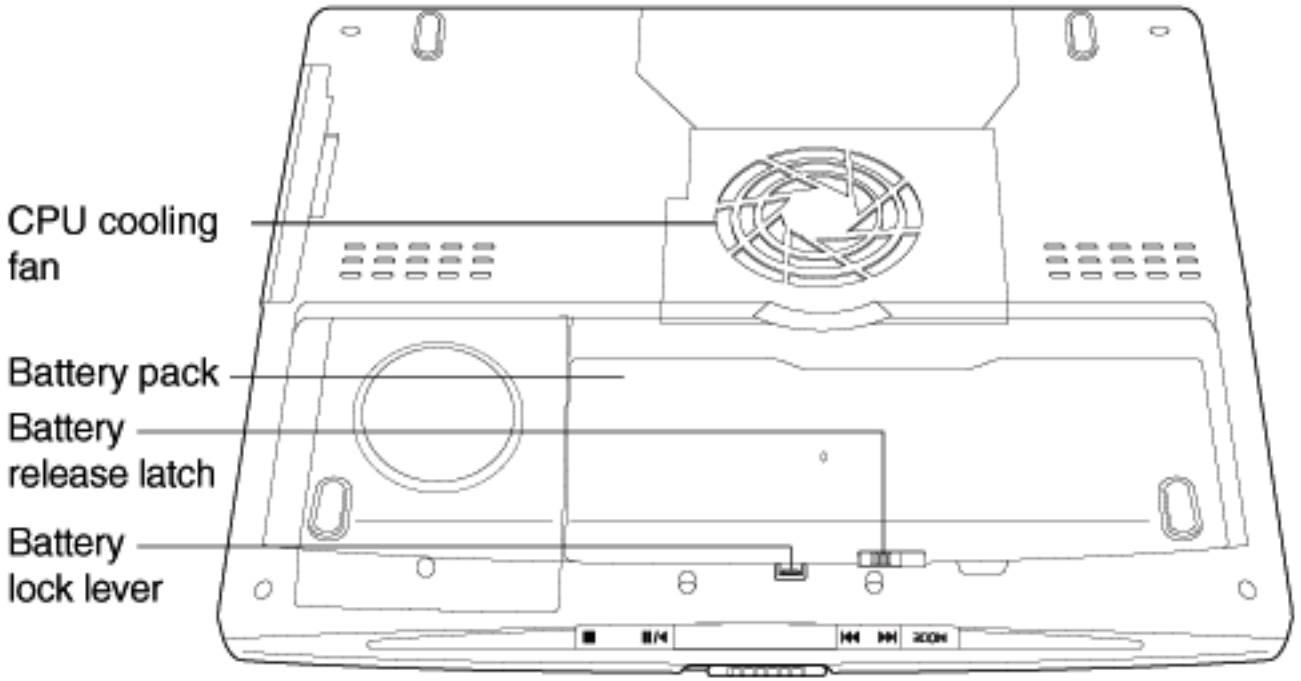
Left side


PC card ejection tab
Security lock
Cooling vents
PC card slot
Wireless antenna on-off switch
Wireless antenna LED

Back


LAN active indicator (orange)
Link indicator (green)
Parallel port
DC-IN
Network port
USB ports
S-video port
RGB (monitor) port
Cooling vents

Underside


CPU cooling fan
Battery pack
Battery release latch
Battery lock lever